ZEYNALOV, A.A.

Comparative evaluation of methods of treating patients with chronic inflammation of the biliary tract outside health resorts. Azerb. med. zhur. 42 no.8:65-70 Ag '65.

(MIRA 18:11)

1. Iz gorodskoy bol'nitsy No. 27 pri Azerbaydzhanskom gosudarstvennom universitete imeni Kirova (glavnyy vrach - A. Alekperova, nauchnyy rukovoditel' - dotsent S.M. Salikhov).

ALIYEV, I.M.; ZEYNALOV, A.G.; ISAKHANOV, V.G.; MEDVEDSKIY, R.I.; ALIAKHVERDYAN, A.V.; PASHEVSKAYA, T.A., red.

[Experience in the exploitation of injection wells in the Neftyanyye Kamni field] Opyt ekspluatatsii nagnetatel'nykh skvazhin na mestorozhdenii Neftianye Kamni. Baku, Azerneftnr, 1965. 85 p. (MIRA 18:10)

ZEYNALOV, A.K.

Salting of soils through local erosion in the Nakhichevan A.S.S.R. Dokl.AN Azerb.SSR 15 no.12:1157-1160 '59. (MIRA 13:4)

(Nakhichevan A.S.S.R.--Alkali lands)

ZEYNALOV, A. K.

Zeynalov, A. K. "The forest soils of the Murov-Dag range of the Lesser Caucasus," Izvestiya Akad. nauk Azerbaydzh. SSR, 1949, No. 1, p. 72-78, (Resume in Azerbaijani), - Bibliog: 5 items.

So: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

ZEYNALOV, A.Kh.; KOLOMIYETS, B.T.

Conductivity and photoconductivity of antimony selenide single crystals. Uch. zap. AGU. Fiz.-mat. i khim. ser. no.4:37-44 '59. (MIRA 16:6)

(Antimony selenide crystals--Electric properties)
(Photoconductivity)

9.4160

S/081/61/000/007/001/010
B107/B207

AUTHORS: Zeynalov, A. Kh., Kolomiyets, B. T.

TITLE: Conductivity and photoconductivity of antimony selenide monocrystals

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 7, 1961, 33-34, abstract 7B225 (7B225). (Uch. zap. Azerb. un-t. Fiz.-matem. i khim. ser., no. 4, 1959, 37-44)

TEXT: The following was investigated on Sb_2Se_3: The dependence of the dark current on temperature, the optical properties, the dependence of the photo current on light intensity, the spectral distribution of the photosensitivity, and the temperature dependence of the photocurrent. The width of the forbidden zone was determined to be $\Delta E = 1.05$ ev from the gradient of the curve for the temperature dependence of the Sb_2Se_3 conductivity. [Abstracter's note: Complete translation.]

Card 1/1

ZEYNALOV, A.Kh.; KOLOMIYETS, B.T.

Photoconductivity of antimony selenide single crystals.
Uch.zap.AGU.Fiz.-mat.i khim.ser. no.1:79-83 '59.
(MIRA 13:6)
(Antimony selenide) (Photoconductivity)

68951
SOV/81-60-2-3808

24.7700

Translation from: Referativnyy zhurnal. Khimiya, 1960, Nr 2, p 38 (USSR)

AUTHORS: Zeynalov, A.Kh., Kolomiyets, B.T.

TITLE: The Photoconductivity of Single Crystals of Antimony Selenide

PERIODICAL: Uch. zap. Azerb. un-t, Fiz.-matem. i khim. ser., 1959, Nr 1, pp 79-83 (Azerb. summary)

ABSTRACT: The spectral distribution curve of the inner photoeffect of Sb_2Se_3 single crystals has two maxima: at ~ 500 mμ and ~ 1μ; the specific sensitivity in the polycrystalline samples investigated varied within the range of 12 - 40 μ a/lumen v. In order to take into account the sharply pronounced anisotropy of single crystals the curves of the spectral distribution of photoconductivity were measured for three mutually perpendicular directions. It has been established that for all three directions, both maxima do not change their positions, but their relative values essentially depend on the direction chosen: the photoconductivity which is measured along the layers has a clearly expressed short-wave maximum and a weak long-wave maximum, whereas in the photoconductivity measured perpendicular to the layers the opposite is true. The integral

Card 1/2

The Photoconductivity of Single Crystals of Antimony Selenide 68951 SOV/81-60-2-3808

sensitivity of individual samples of Sb_2Se_3 single crystals was 200 μ a/lumen v at 200 lux. It has been discovered that in the case of substituting Sb by atoms of As and Bi the short-wave maximum shifts to the side of longer wave-lengths, but the position of the long-wave maximum remains unchanged. In the case of substituting Se by S atoms the short-wave maximum remains on its place, but the long-wave maximum shifts to the side of short waves.

A. Shteynberg

Card 2/2

ZEYNALOV, A.M.

Prospects for finding oil in the Upper-Cretaceous sediments of the tertiary band of the Pirsagat-Akhsu interfluve (Shemakha District). Izv. vys. ucheb, zav.; neft' i gaz 8 no.4:113-114 '65. (MIRA 18:5)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.

ZEYNALOV, A. R.

History of the publication of the newspaper "Ziia". Dokl.AN Azerb.SSR 16 no.5:519-522 '60. (MIRA 13:8)
(Azerbaijani newspapers)

ZEYNALOV, B.A.

Properties of the determinant of matrices commutable with similar integral matrices, and some of their applications. Dokl. AN SSSR 164 no.5:971-974 O '65. (MIRA 18:10)

1. Dagestanskiy gosudarstvennyy universitet im. V.I.Lenina. Submitted April 12, 1965.

SHAKHMURADOV, M.K.; VOROB'YEV, V.A.; ZEYNALOV, B.K.; [illegible]
MAMEDALIYEV, G.M.; ALIYEV, S.M.

Manufacture of face tiles from compositions of polystyrene and petroleum polymer resins with the aid of the plasticizer "Plastiazan 1". Azerb. khim. zhur. no.1:15-17 '65. (MIRA 18:7)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

ZEYNALOV, B.K.; AKHUNDOV, A.A.

Synthesis of naphthenic acids by direct oxidation of naphthenic hydrocarbons. Azerb. khim. zhur. no.3:17-20 '64.

(MIRA 18:5)

L 3509-66 EWT(m)/EPF(c)/EWP(j) RM

ACCESSION NR: AP5017130 UR/0249/65/021/004/0022/0025

AUTHORS: Zeynalov, B. K.; Aliyev, R. M.

TITLE: Synthesis of complex esters (plasticizers) on the basis of cyclohexylcarbinol and synthetic acids

SOURCE: AN AzerbSSR. Doklady, v. 21, no. 4, 1965, 22-25

TOPIC TAGS: organic compound, plasticizer, polyester, cyclohexylcarbinol, fatty acid

ABSTRACT: The following esters of cyclohexylcarbinol were synthesized: formic, acetic, propionic, butyric, valeric, capronic, enantic, caprylylic, pelarganylic and caprynylic. The work is an extension of previously published results by B. K. Zeynalov and R. M. Aliyev (DAN Azerb. SSR. 1964, 5). Physical properties of the synthesized esters, viz: refractive index, molecular weight, boiling point, KOH number, and per cent yield, are tabulated. The esterification of the C_5-C_6 and C_7-C_9 fractions of commercial synthetic fatty acids by cyclohexylcarbinol is described. It was found that the valeryl cyclohexylcarbinol ester when administered in 0.5-ml dosage to rabbits sharply decreases the heart activity and

Card 1/2

L 3509-66

ACCESSION NR: AP5017130

blood pressure in the animal. Orig. art. has: 2 tables and 2 formulas.

ASSOCIATION: Institut neftekhimicheskikh protsessov (Institute for Petrochemical Processes) 44,55

SUBMITTED: 26May64 ENCL: 00 SUB CODE: MT, GC

NO REF SOV: 009 OTHER: 001

Card 2/2

L 2247-66 EWT(m)/EPF(c)/EWP(j)/T WE/RM

AM5015743 BOOK EXPLOITATION UR/

44,55

17
15
B+1

Zeynalov, B. K. (Doctor of Chemical Sciences; Professor)

44,55

Oxidation of paraffin distillates and the means of practical use of oxidation products (Okisleniye parafinistogo distillyata i puti prakticheskogo ispol'zovaniya produktov okisleniya) Baku, Azerneshr, 1964. 0255 p. illus., biblio., tables. 1,110 copies printed.

TOPIC TAGS: hydrocarbon oxidation, paraffinic distillate, enter synthesis, carboxylic acid synthesis, oxy acid synthesis, neutral oxy compound, plasticizer technology, Plastiazan 1

PURPOSE AND COVERAGE: This book is meant for scientists, engineers, and technicians employed in the chemical, petroleum, petrochemical, and food industries, who work in research and development involving the oxidation of petroleum hydrocarbons. It may also be useful to specialists who study the potential industrial applications of petroleum oxidation products. The text of this review book is based on Western and Soviet-bloc literature ranging from 1854 to 1963, and on research carried out by the author and his coworkers. The author discussed processes of liquid-phase oxidation of a paraffinic distillate with oxygen from air. The purpose of this oxidation is the commercial production of carboxylic and hydroxy

Card 1/3

L 2247-66
AM5015743

acids, and oxygen-containing neutral compounds. The industrial processes used for the manufacture of these compounds are described. Recommendations are made for the processing and use of products obtained from the oxidation of parafinnic distillates. These products were used as irrital materials for the preparation of high-quality plasticizers for polymers, and as reagents in the chemical treatment of drilling fluids. Procedure has been developed for: 1) the production of monocarboxylic acids by the oxidation of the paraffin fraction separated from the paraffinic distillate during carbamide dewaxing; 2) the preparation of commercial carboxylic, hydroxy, and other acids by oxidizing, the raw distillate or deanomatized and dewaxed distillate.

TABLE OF CONTENTS

Card 2/3

L 2247-66
AM5015743

Ch. IV. Oxidation of paraffin distillate

Ch. V. Synthesis of esters (Plasticizers) on the basis of oxidation products

Ch. VI. Practical use of the oxidation products of paraffin distillate

SUB CODE: OC SUBMITTED: 17Nov64 NO REF SOV: 199

OTHER: 095

Card 3/3

ZEYNALOV, B.K.; EMANUEL', N.M., prof., laureat Leninskoy premii, red.; DOLGOV, V.I., red.izd-va

[Kinetics and mechanism of oxidation of the paraffinic distillate and practical uses of the oxidation products] Kinetika i khimizm okisleniia parafinistogo distilliata i ispol'zovanie produktov okisleniia v praktike. Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1959. 253 p. (MIRA 13:4)

1. Chlen-korrespondent Akademii nauk SSSR (for Emanuel').
(Paraffins) (Oxidation)

ZEYNALOV, B.K.; ALIYEV, R.M.

Synthesis of esters (plasticizers) based on cyclohexanol and synthetic acids. Azerb. khim. zhur. no.1:89-94 '64. (MIRA 17:5)

SHIKHIYEV, I.A.; ALIYEV, M.I.; ZEYNALOV, B.K.; ISRAYELYAN, D.R.; MUKHARAMOVA, Kh.F.

Synthesis of vinyl esters based on the commercial fraction of fatty acids $C_5 - C_6$ and acetylene. Dokl. AN Azerb. SSR 19 no.12:15-17 '63. (MIRA 17:4)

1. Institut neftekhimicheskikh protsessov AN Azerbaydzhanskoy SSR. Predstavleno akademikom AN AzSSR M.F.Nagiyevym.

ZEYNALOV, B.K., doktor khim. nauk, prof.; EMANUEL', N.M., red.

[Oxidation of paraffin distillates and ways for the practical utilization of the oxidation products] Okislenie parafinistogo distilliata i puti prakticheskogo ispol'zovaniia produktov okisleniia. Baku, Azerneshr, 1964. 255 p. (MIRA 18:2)

1. Chlen-korrespondent AN SSSR (for Emanuel').

ACCESSION NR: AP4022010 S/0249/63/019/012/0015/0017

AUTHOR: Shikhiyev, I. A.; Aliyev, M. I.; Zeynalov, B. K.; Israyelyan, D. R.; Mukharamova, Kh. F.

TITLE: Synthesis of vinyl esters from commercial fractions of C_5 - C_6 fatty acids and acetylene

SOURCE: AN AzerbSSR. Doklady*, v. 19, no. 12, 1963, 15-17

TOPIC TAGS: vinyl ester, C_5 fatty acid, C_6 fatty acid, activated carbon

ABSTRACT: The purpose of the present investigation was to find an industrial application for the fatty acids of the C_5 - C_6 fraction obtained by direct oxidation of the paraffin hydrocarbons. A commercial fraction of fatty acids (boiling point of 180—200C) was reacted with acetylene, using activated AG carbon impregnated with salts of the same acids as catalyst. The equipment consisted of a reactor, a coil vaporizer, and five condensers, two of which were cooled with dry ice. The experiments were carried out at a acetylene:acid ratio of 9:1. The temperature of the catalyst was 245—250C, the temperature in the coil vaporizer for fatty acids was 220—225C, the rate

Card 1/2

ACCESSION NR: AP4022010

of fatty acid feed was 30 cm^3/hour, and the acetylene rate was 3.3—3.5 liter/min. The acetylene was mixed with the vapors of fatty acids before entering the reaction chamber. An 81% yield of the catalyzate was obtained, with the noncondensed vapors being discharged into the atmosphere. Five fractions were isolated from the catalyzate within a boiling range of 85—180C (75.9% were vinyl esters, the bromine number of which ranged from 125.7 to 84.44). The 135—155C fraction was the largest, representing a 31.3% yield on the basis of the fatty acids used in the reaction. It had a molecular weight of 131.4 and a bromine number of 112.3, as against a theoretical bromine number of 118.4 for vinyl ester. Orig. art. has: 1 table.

ASSOCIATION: Im. Yu. G. Mamedaliyeva INKhP

SUBMITTED: 12Oct63 ATD PRESS: 3045 ENCL: 00

SUB CODE: OC NO REF SOV: 010 OTHER: 000

Card 2/2

ZEYNALOV, B.K.; ALIYEV, R.M.

Synthesis of esters (plasticizers) based on cyclohexanols and synthetic acids. Dokl. AN Azerb. SSR 20 no.7:25-28 '64. (MIRA 17:11)

1. Institut neftekhimicheskikh protsessov AN AzerSSR. Predstavleno akademikom AN AzerSSR M.A. Dalinym.

AUTHORS: Mamedov, Shamkhal, Zeynalov, B. K. SOV/79-28-7-22/64

TITLE: Investigation in the Field of Glycol Ethers and Their Derivatives (Issledovaniye v oblasti prostykh efirov glikoley i ikh proizvodnykh) XXXIII. On Some Chemical Conversions of the γ-Ethyl Bromides of the Fatty Series (XXXIII. O nekotorykh khimicheskikh prevrashcheniyakh prostykh γ-bromefirov zhirnogo ryada)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol 28, Nr 7, pp 1831 - 1834 (USSR)

ABSTRACT: Continuing an earlier paper (Ref 1) the authors carried out some little-known conversions of γ-ethyl bromide. The hydrolysis experiments of these ethers carried out in the presence of Na_2CO_3 and $CaCO_3$ (10-12 hours) showed that on this occasion HBr is split off under the formation of ethers of the homologs of allyl-alcohol (II). In all these cases none of the incomplete γ-glycol ethers to be expected, but only unsaturated ethers resulted. In the case of heating the γ-ethyl bromides (I) with alcoholate the HBr cleavage takes only 2-3 hours and no etherification but a formation of allyl ethers (II) takes place which corresponds to the Markovnikov rule (Ref 1). The γ-ethyl bromides easily

Card 1/3

Investigation in the Field of Glycol Ethers and Their Derivatives. XXXIII. On Some Chemical Conversions of the γ-Ethyl Bromides of the Fatty Series SOV/79-28-7-22/64

yield organomagnesium compounds (III), which form 1,4-glycol-ether (IV) with α-chloric ether. This reaction process (see reaction scheme) points to the possibility of a new synthesis of glycol ether with various alkoxy groups in the positions 1,4(IV). 1,3-dihalogen derivatives (V) form on the action of HBr or HJ on the γ-ethyl bromide. This way six new 1,3-dihalogen derivatives of fatty hydrocarbons were synthetized (Table). All above mentioned conversions make possible the production of further compounds on the same basis. There are 1 table and 5 references, 4 of which are Soviet.

ASSOCIATION: Azerbaydzhanskiy gosudarstvennyy pedagogicheskiy institut (Azerbaydzhan State Pedagogic Institute)

SUBMITTED: April 1, 1957

Card 2/3

Investigation in the Field of Glycol Ethers and Their Derivatives. XXXIII. On Some Chemical Conversions of the γ-Ethyl Bromides of the Fatty Series SOV/79-28-7-22/64

1. Ethyl bromides--Hydrolysis 2. Ethyl bromides--Chemical reactions
3. Glycol ethers--Chemical properties

Card 3/3

USSR/Cultivated Plants - Potatoes, Vegetables. Melons. etc. M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15631

Author : A. Zeynalov, M. Alizade

Inst : The Azerbaydzhan Agricultural Institute.

Title : The Best Mixture in Which to Effectively Grow Tomatoes in Feeding Cubicles.
(Nailuchshiye smesi dlya effektivnogo vyrashchivaniya tomatov v pitatel'nykh kubikakh).

Orig Pub : Sots. s.kh. Azerbaydzhana, 1957, No 3, 22-26.

Abstract : At the Azerbaydzhan Agricultural Institute in 1955-1956 furf or peat soil, hotbed compost, sheep dung, mullein, river sand and saw dust were used as composition. In watered cultures the feeding cubicles of the soil-compost mixture were more effecient than those with peat-compost. When cultivating tomatoes in

Card 1/2

USSR/Cultivated Plants - Potatotes. Vegetables. Melons. etc. M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15631

cubicles of the better feeding mixture the fruit ripened 6-9 days earlier and the produce output, among which were early varieties, increased considerably in comparison with the hotbed seedlings. The commercial quality of the fruit was then improved. The addition to the harvest ran to 80%. The recipes for putting together the best mixtures are given in the article.

Card 2/2

77

ZEYNALOV, A. ~~Ch.~~ Kh. Cand Phys-Math Sci -- (diss) "Electric and photoelectric properties of antimony selenide." Baku, 1959. 10 pp (Min of Higher and Secondary Specialized Education USSR. Azerbaydzhan State Univ im S. M. Kirov), 100 copies (KL, 47-59, 112)

ZEYNALOV, A. K.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name	Title of Work	Nominated by
Alekperov, K. A. Aliyev, G. A. Volobuyev, V. R. Zeynalov, A. K. Kovalev, R. V. Salayev, M. M. Sharifov, E. F.	"Soils of the Azerbaydzhan SSR"	Academy of Sciences Azerbaydzhan SSR

SO: W-30604, 7 July 1954

ZEYNALOV, A.K.

Fluffy solonchak soils of the Karabakh Steppe. Dokl.AN Azerb. SSR 10 no.6:439-444 '54. (MLRA 8:10)

1. Institut pochvovedeniya i agrokhimii Akademii nauk Azerbaydzhanskoy SSR. Predstavleno deystvitel'nym chlenom Akademii nauk Azerbaydzhanskoy SSR G.A.Aliyevym

(Karabakh Steppe--Solonchak soils)

30666

18.9500

S/137/61/000/010/019/056
A006/A101

AUTHORS: Mirzoyev, B.R., Bezdetnyy, N.M., Zeynalov, A.Kh.

TITLE: An automatic unit for zonal melting

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 10, 1961, 43, abstract 10G338 ("Uch. zap. Azerb. un-t Fiz.-matem. i khim. ser.", 1960, no. 6, 27 - 32)

TEXT: The authors describe an automatic unit for zonal melting and equalization of the composition of semiconductor materials with a resistance heater. The unit is equipped with a device registering the number of passes. Zonal melting can be conducted both in a vacuum and inert gas atmosphere. Results of zonal refining of Sb selenide are given. At a motion speed of the zone as high as 0.5 mm/hour, single crystals of Sb selenide of up to 20 - 25 mm length are obtained. The admixtures of Fe, Cu, As, Al, Bi revealed, show a distribution factor below one.

[Abstracter's note: Complete translation]

A. Nashel'skiy

Card 1/1

ABASOV, A.S.; ZEYNALOV, A.M.

Some tectonic characteristics of the southwestern part of Shemakha District. Azerb. neft. khoz. 41 no.9:9-13 S '62. (MIRA 16:6)

(Shemakha District--Geology, Structural)

S/044/62/000/007/003/100
C111/C333

AUTHOR: Zeynalov, B. A.

TITLE: The solution of the matrix equation AX = XB in integral matrices

PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 24, abstract 7A134. ("Uch. zap. Dagestansk. un-t", 1961, 7, no. 1, 11-17)

TEXT: It is proved: The equation AX = XB, where A and B are integral matrices, possesses nontrivial integer solutions if and only if A and B have a common characteristic number (i. e. if the characteristic polynomials of A and B are not relatively prime); moreover: a nonsingular solution exists, if and only if A and B possess the same elementary divisors over an arbitrary field. The author gives a certain algorithm for the solution of this equation.

[Abstracter's note: Complete translation.]

Card 1/1

ZEYNALOV, B.K.; EFENDIYEV, G.Kh.; ABDULLAYEVA, E.E.; GANF, K.L.

Azerbaijan copals. Report No.1. Trudy Inst. khim. AN Azerb. SSR 16:46-62 '57. (MIRA 12:9)
(Azerbaijan--Copal)

ZEYNALOV, B.K.; EFENDIYEV, G.Kh.; GASANOVA, G.A.; ALIYEVA, E.

Azerbaijan copals. Report No.2. Trudy Inst.khim. AN Azerb. SSR 16:63-80. '57. (MIRA 12:9)
(Azerbaijan--Copal)

ZEYNALOV, B.K.; PASHAYEV, P.P.

Development of methods for the separation of oxidized paraffine-base distillate into its components. Trudy Inst. khim. AN Azerb. SSR 16:81-107 '57. (MIRA 12:9)
(Paraffins--Analysis)

ZEYNALOV, B.K.; DZHABAROVA, G.Kh.

Synthesis of esters (plasticizers) based on synthetic acids. Azerb. khim. zhur. no.2:55-60 '63. (MIRA 16:8)

ZEYNALOV, B.K.; AKHUNDOV, A.A.; AKHMEDOV, R.R.; ALEKPEROVA, S.D.

Synthesis of naphthenic acids by direct oxidation of naphthenic hydrocarbons. Azerb. khim. zhur. no.3:10-15 '65.
(MIRA 19:1)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

ZEYNALOV, B.K.

USSR/Physical Chemistry - Kinetics, Combustion, Explosions, Topochemistry, Catalysis. B-9

Abs Jour: Referat. Zhurnal Khimiya, No 3, 1958, 7212.

Author : B.K. Zeynalov, V.S. Leykakh.
Inst : Academy of Sciences of Azerbaijan SSR.
Title : Kinetics and Chemism of Loquid Phase Oxidation Process of Normal Hexadecane $C_{16}H_{33}$. Report 3. Investigation of Carboxylic Acids.

Orig Pub: AzerbSSR elmler. Akad. khebenleri, Izv. AN AzerbSSR, 1956, No 12, 37-43.

Abstract: A method of methylating carboxylic acids produced at the catalyticoxidation of n-hexadecane (report 2, RZhKhim, 1957, 41003) and of separating the produced esters was developed. It is shown that saturated carboxylic acids with C_8 to C_{14} are forming at the oxidation of n-hexadecane.

Card : 1/1

ASHIMOV, M.A.; ZEYNALOV, B.K.; KADZHAR, A.Sh.; KANZAVELI, S.Ye.; MURSALOVA, M.A.

Phenomena of the synergism of salts of synthetic carboxylic acids in a mixture with azolyat A, azolyat B, "sulfonol NP-1", and alkyl sulfate. Azerb. khim. zhur. no. 2:12-17 '65. (MIRA 18:12)

1. Institut neftekhimicheskikh protsessov AN AzerSSR. Submitted October 1, 1963.

ZEYNALOV, B.K.; MAGERRAMOVA, A.Kh.

Synthesis of esters (plasticizers) based on synthetic acids. Azerb. khim. zhur. no. 2:34-41 '65. (MIRA 18:12)

1. Institut neftekhimicheskikh protsessov AN AzerSSR. Submitted March 18, 1964.

L 22687-66 EWT(m)/EWP(j) RM
ACC NR: AP6006934 (A) SOURCE CODE: UR/0316/65/000/006/0020/0024

29
B

AUTHOR: Zeynalov, B. K.; Aliyev, R. M.

ORG: INKhP AN AzerbSSR

TITLE: Synthesis of esters (plasticizers) from synthetic acids. Synthesis of esters (plasticizers) from 2-methylcyclohexanol and synthetic acids

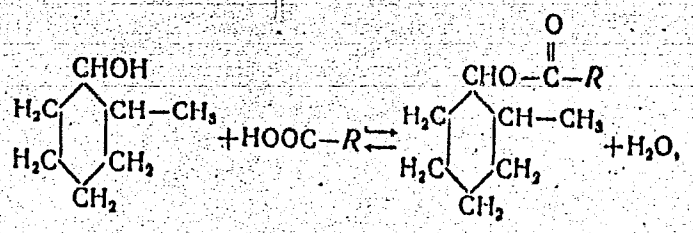
SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 6, 1965, 20-24

TOPIC TAGS: plasticizer, ester, fatty acid

ABSTRACT: The synthesis of 2-methylcyclohexyl esters (plasticizers) of C_1-C_{10} fatty acids (formic, acetic, propionic, n-butyric, n-valeric, n-caproic, n-enanthic, n-caprylic, n-pelargonic, and n-capric acids) and commercial fractions of C_5-C_6 and C_7-C_9 fatty acids was studied. The reaction is as follows:

Card 1/2

L 22687-66
ACC NR: AP6006934



The optimum conditions were: ratio of 2-methylcyclohexanol (MCH) to fatty acid, 0.8:1 (moles); time, 4 hr; temperature, 130°C; catalyst, 96% H_2SO_4 (4% of weight of MCH); azeotrope-forming substance, toluene (2.8 times the amount of MCH). The yield of esters was 60-70% based on MCH. In all the experiments, the esterification reaction was continued until equilibrium was established, as indicated by the constant value of the acid number. The esters obtained were colorless liquids insoluble in water but soluble in alcohol, ethyl ether, benzene, acetone. Their physicochemical characteristics are tabulated. Orig. art. has: 1 table.

SUB CODE: 07/ SUBM DATE: 27Jan65/ ORIG REF: 013/ OTH REF: 001
Card 2/2

ZEYNALOV, B.K.; ALIYEV, R.M.

Synthesis of esters (plasticizers) based on cyclohexylcarbinol and synthetic acids. Dokl. AN Azerb. SSR 21 no.4:22-25 '65. (MIRA 18:7)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

ZEYNALOV, B.K.

Obtaining diethyl sulfate. Azerb. neft. khoz. 41 no.11:39-40 N '62. (MIRA 16:2)

(Sulfates)

50

JUN 25 1963

ZEYNALOV, B. K.

SOV/6195

PHASE I BOOK EXPLOITATION

Nauchnaya konferentsiya institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR. Yerevan, 1957.

Materialy nauchnoy konferentsii institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR (Materials of the Scientific Conference of the Chemical Institutes of the Academies of Sciences of the Azerbaydzhan, Armenian, and Georgian SSR) Yerevan, Izd-vo AN Armyanskoy SSR, 1962. 396 p. 1100 copies printed.

Sponsoring Agency: Akademiya nauk Armyanskoy SSR. Institut organicheskoy khimii.

Resp. Ed.: L. Ye. Ter-Minasyan; Ed. of Publishing House: A. G. Sikuni; Tech. Ed.: G. S. Sarkisyan.

PURPOSE: This book is intended for chemists and chemical engineers, and may be useful to graduate students engaged in chemical research.

Card 1/11

Materials of the Scientific Conference (Cont.) SOV/6195

COVERAGE: The book contains the results of research in physical, inorganic, organic, and analytical chemistry, and in chemical engineering, presented at the Scientific Conference held in Yerevan, 20 through 23 November 1957. Three reports of particular interest are reviewed below. No personalities are mentioned. References accompany individual articles.

TABLE OF CONTENTS:

PHYSICAL CHEMISTRY

Card 2/11

ZEYNALOV, B.K.

46

PHASE I BOOK EXPLOITATION SOV/6195

Nauchnaya konferentsiya institutov khimii Akademiy nauk Azerbaydshanskoy, Armyanskoy i Gruzinskoy SSR. Yerevan, 1957.

Materialy nauchnoy konferentsii institutov khimii Akademiy nauk Azerbaydzhanskoy, Armyanskoy i Gruzinskoy SSR (Materials of the Scientific Conference of the Chemical Institutes of the Academies of Sciences of the Azerbaydzhan, Armenian, and Georgian SSR) Yerevan, Izd-vo AN Armyanskoy SSR, 1962. 396 p. 1100 copies printed.

Sponsoring Agency: Akademiya nauk Armyanskoy SSR. Institut organicheskoy khimii.

Resp. Ed.: L. Ye. Ter-Minasyan; Ed. of Publishing House: A. G. Sikuni; Tech. Ed.: G. S. Sarkisyan.

PURPOSE: This book is intended for chemists and chemical engineers, and may be useful to graduate students engaged in chemical research.

COVERAGE: The book contains the results of research in physical, inorganic, organic, and analytical chemistry, and in chemical engineering, presented at the Scientific Conference held in Yerevan, 20 through 23 November 1957. Three reports of particular interest are reviewed below. No personalities are mentioned. References accompany individual articles.

Materials of Scientific Conference (Cont.) SOV/6195

ORGANIC CHEMISTRY

Card 4/11

2/2

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001964510016-8"

ASSOCIATION: none

synthetic fatty acids

USSR [illegible] 20 [illegible] 7 1964 25-28

ACCESSION NR: AP4045293

ASSOCIATION: Otdelenie tekhniki gazovykh razryadov akademii nauk germanskoy

SUBMITTED: 00 ENCL: 00 SUB CODE: GP, NP

NO REF SOV: 000 OTHER: 002

Card 2/2

ZEYNALOV, B.K.; AKHUNDOV, A.A.; KYAZIMOV, B.A.

Increasing the output of the commercial fraction of $C_7 - C_9$ fatty acids obtained by oxidation of paraffins. Azerb.khim.zhur. no.6: 17-21 '63. (MIRA 17:3)

ZEYNALOV, B.K.; LEYKAKH, V.S.; SHAGIDANOV, E.N.

Methods of separation of mixtures of fatty and naphthenic acids. Dokl. AN Azerb. SSR 18 no.7:27-30 '62. (MIRA 17:2)

1. Institut neftekhimicheskikh protsessov AN AzSSR. Predstavleno akademikom AN Azerbaydzhanskoy SSR M.F. Nagiyevym.

ZEYNALOV, B. K.; ASHIMOV, M. A.; SULTANOVA, A. Sh.

Study of the oxidation of hydrocarbons isolated from Gushkana oils of the Karadag district, and the practical utilization of oxidation products. Azerb.khim.zhur. no.4:45-51 '61. (MIRA 14:11)

(Hydrocarbons)
(Oxidation)

SULTANOVA, A.Sh.; ZEYNALOV, B.K.; ASHIMOV, M.A.

Investigation of the oxidation of paraffinic hydrocarbons separated from Gushkhana oil of the Karadag District and practical utilization of oxidation products. Report No.2. Azerb.khim.zhur. no.5:31-36 '61. (MIRA 15:5)

(Karadag District--Petroleum--Analysis)
(Paraffins) (Oxidation)

Zeynalov, B.K.

PHASE I BOOK EXPLOITATION SOV/5663

Akademiya nauk SSSR. Institut khimicheskoy fiziki

Okisleniye uglevodorodov v zhidkoy fase; sbornik statey (Oxidation of Hydrocarbons in the Liquid Phase; Collection of Articles) Moscow, Izd-vo AN SSSR, 1959. 334 p. Errata slip inserted. 2,200 copies printed.

Ed.: N. M. Emanuel', Corresponding Member, Academy of Sciences USSR; Ed. of Publishing House: E. M. Dymshyts; Tech. Ed.: L. P. Kuz'mina.

PURPOSE: This collection of articles is intended for chemists interested in hydrocarbon oxidation reactions, particularly for those specializing in petroleum fuels.

COVERAGE: This collection of 33 articles represents the results of investigations over a period of several years on problems of hydrocarbon oxidation. The authors present their own theoretical and experimental data and also draw from current literature. No personalities are mentioned. References follow most of the articles.

Bashkirov, A.N., V.V. Kuzolkin, K.M. Sokova, and T.P. [illegible] [Institut neftekhimii AN SSSR (Petroleum Institute, Academy of Sciences USSR)]. Mechanism of Liquid-Phase Oxidation of Paraffin Hydrocarbons 159

Oxidation of n-tridecane, n-pentadecane and n-hexadecane in the presence of boric acid is investigated. For the most part, secondary alcohols are formed. The purpose of the study was to establish a scientific basis for a method of preparing aliphatic alcohols by the direct oxidation of paraffin hydrocarbons developed by the Petroleum Institute.

Zeynalov, B.K., and V.S. Leykikh [Institut khimii AN Azerb.SSR (Institute for Chemistry AN Azerb.SSR)]. The Kinetics and Chemistry of n-Hexadecane Oxidation 168

Liquid-phase oxidation of n-hexadecane as a model reaction for normal paraffin hydrocarbons is studied. An optimum amount of carboxyl acids (caprylic, pelargonic, capric, undecylic, lauric, tridecylic and tetradecanoic) is obtained after passing 720-960 liters of air per hour through the reactive mixture for 10 hours at 150°.

Sergeyev, P.G. (Deceased), and L.A. Ivanov [Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov (Scientific Research Institute of Synthetic Alcohols and Organic Products)]. The Oxidation of Hexenes 182

From their experiments on the oxidation of olefins (hexenes), the authors conclude that the olefin oxidation process can be used to obtain alcohols.

Kamneva, A.I., and Ye.S. Panfilova [Moskovskiy khimiko-tekhnicheskiy institut imeni D.I. Mendeleyeva (Moscow Chemical Engineering Institute imeni D.I. Mendeleyev)]. Mechanism of the Autoxidation of Cyclohexane 188

The authors examine the mechanism of the autoxidation of cyclohexane and discuss the various paths of cyclohexane formation. Liquid-phase oxidation of cyclohexane and analysis in both scattered and ultraviolet light confirm the presence of a hydroperoxide which decomposes to form first a ketone, then an alcohol. Cyclohexane polymerization products were isolated and identified as dimers and trimers of cyclohexane hydroperoxides and their ketoderivatives.

Fedorov, V.V. [Scientific Research Institute of Synthetic Alcohols and Organic Products]. Liquid-Phase Oxidation of Certain Aliphatic-Aromatic Hydrocarbons 197

The author describes the separation and identification of hydroperoxides obtained in the oxidation of aliphatic-aromatic hydrocarbons, confirms the reactivity of various hydrocarbons, and reports on the application of hydroperoxides as polymerization initiators.

Sergeyev, P.G. (Deceased), B.V. Kiryan, and N.I. Golovanenko [Scientific Research Institute of Synthetic Alcohols and Organic Products]. Kinetics of the Thermal Decomposition of Certain Aliphatic-Aromatic Hydrogen Peroxides 207

The kinetics of the thermal decomposition of the hydroperoxides of isopropylbenzene and of s-butylbenzene, with and without solvents, is investigated at 100-130°C. It is shown that the thermal decomposition reactions of s-butylbenzene and isopropylbenzene hydroperoxides differ greatly.

Fucher, R.V., A.I. Turchenko, and M.A. Korbut [L'vovskiy gosudarstvennyy universitet imeni Ivana Franko (Lvov State University imeni Ivan Franko)]. Oxidation of Tertiary Hydrocarbons in Emulsions by Molecular Oxygen 212

The rate of hydrogen peroxide accumulation during the oxidation of isopropylbenzene by gaseous oxygen in alkaline emulsions of hydrocarbons was investigated. The presence of emulsifiers increases the rate [illegible]dation as a result of increased oxygen, hydro-
carbon and hyd[illegible]de solubility in th[illegible] phase.
Solid bentonit[illegible]s were used. Iso[illegible] is more
easily oxidize[illegible] iphenylethane.

Evenitova, M.S. [illegible] University imeni [illegible]ov]. Oxid-
[illegible] Aromatic [illegible] a by Oxygen 22[illegible]

GURVICH, M.M.; ZEYNALOV, B.K.; YEGIYEVA, R.Sh.

Petroleum oxyacids as reagents for the chemical treating of clay solutions. Report No.4: Oxyproducts from unrefined paraffinic distillates as reagents for the chemical treatment of clay solutions. Azerb. khim.zhur. no.3:91-98 '61. (MIRA 14:11)
(Petroleum products) (Clay)

ALIYEV, E.Sh.; ZEYNALOV, E.A.

Depth gauge for determining the saturation pressure of oil on well bottoms. Azerb. neft. khoz. 39 no.3(405):30-32 Mr '60. (MIRA 14:9)

(Pressure gauges)

ZEYNALOV, G.Yu., red.

[Azerbaijan in figures; a brief statistical abstract] Azerbaidzhan v tsifrakh; kratkii statisticheskii sbornik. Baku, Azerbaidzhanskoe gos. izd-vo, 1964. 301 p. (MIRA 17:8)

1. Azerbaijan. TSentral'noye statisticheskoye upravleniye.
2. Nachal'nik TSentral'nogo statisticheskogo upravleniya Azerbaydzhanskoy SSR.

NADIROV, S.G.;SALAYEV, S.G.;ZEYNALOV, M.M.

Geological prerequisites for open-pit mining of oil-bearing in the Oligocene-Miocene complex in Kobystan. Izv. AN Azerb. SSR. Ser. geol. -geog. nauk no.5:39-50 '59 (MIRA 13:3)
(Kobystan--Petroleum geology)

GUREVICH, M.M.; ZEYNALOV, B.K.; YEGIYEVA, R.Sh.

Petroleum oxyacids as reagents for chemical treatment of drilling muds. Dokl. AN Azerb. SSR 14 no.5:357-364 '58. (MIRA 11:5)

1.Institut khimii AN AzerSSR. Predstavleno akademikom AN AzerSSR M.F. Nagiyevym.

(Oil well drilling fluids)

ZEYNALOV, B.K.

GURVICH, M.M.; ZEYNALOV, B.K.

Petroleum hydroxy acids as reagents in chemical treatment of clayey solutions. Dokl. AN Azerb. SSR 13 no.8:859-864 '57. (MLRA 10:9)

1. Institut khimii Azerbaydzhanskoy SSR. Predstavleno akademikom AN Azerbaydzhanskoy SSR M.F.Nagiyevym.
(Colloids) (Oil well drilling) (Petroleum industry--By-products)

ZEYNALOV, B. K., Dr. Chem. Sci. (diss) "Oxidation of Paraffin Distillate and Means for Practical Utilization of Products of Oxidation." Baku, 1961, 28 pp. (Azerbaydzhan State Univ.) 200 copies (KL Supp 12-61, 254).

L 04956-67 EWT(m)/EWP(j) IJP(c) RM

ACC NR: AP6025823 (A) SOURCE CODE: UR/0316/66/000/001/0047/0051

30
B

AUTHOR: Zeynalov, B. K.; Mamedova, S. G.; Salimova, Z. Z.

ORG: INKhP AN AzerbSSR

TITLE: Synthesis of esters (plasticizers) from synthetic acids. Synthesis of plasticizers from a mixture of fatty and naphthenic acids and diethyl sulfate

SOURCE: Azerbaydzhanskiy khimicheskiy zhurnal, no. 1, 1966, 47-51

TOPIC TAGS: plasticizer, fatty acid, sulfate, ester

ABSTRACT: Ester plasticizers were synthesized from fatty and naphthenic acids and diethyl sulfate (DES) on a laboratory metal unit and on pilot units in three stages: (1) preparation of alkali salts of synthetic acids by the action of alkalis; (2) synthesis of ethyl esters by the action of DES on the salts; (3) treatment of the reaction mixture for the purpose of isolating the target product. The influence of time, temperature, reaction medium, and solution of DES in CCl_4 was investigated on the metallic unit. Tests of the products showed that the ethyl esters, which the authors named "plastiazan-2," are universal plasticizers in the production of nitrocellulose and polyvinyl chloride articles, replacing castor oil and dibutyl phthalate, and are also effective in plasticizing coumarone resins. Orig. art. has: 3 figures and 4 tables.

SUB CODE: 11/ SUBM DATE: 30Jan65/ ORIG REF: 010

Card 1/1

L 16469-66 EWT(m)/EWP(t) IJP(c) JD/DM

ACC NR: AP6005533 SOURCE CODE: UR/0089/66/020/001/0054/0055

AUTHOR: Zeynalov, E. I.; Obaturov, G. M.; Shalin, V. A.; Chumbarov, Yu. K. 41

ORG: none B

TITLE: Using indium in neutron film badges 27 14,55

SOURCE: Atomnaya energiya, v. 20, no. 1, 1966, 54-55

TOPIC TAGS: radiation dosimeter, neutron radiation, gamma radiation, indium

ABSTRACT: The authors describe the IFKNG film badge with an indium intensifier shield designed for thermal and intermediate neutrons and γ-radiation. A table is given comparing the theoretical and experimental values for the relative effect of thermal and intermediate neutrons on these badges. It is found that the IFKNG badge may be used with RM-5-4 x-ray film for simple and accurate measurement of thermal neutron doses from 0.005 rem, intermediate neutron doses from 0.03 rem and γ-radiation doses from 0.015 r in mixed fields of neutron and γ-radiation from nuclear reactors. Orig. art. has: 1 figure, 1 table, 1 formula.

SUB CODE: 18/ SUBM DATE: 10Sep65/ ORIG REF: 000/ OTH REF: 000

Card 1/1 mc UDC: 539.107.37 2

ALIYEV, N.A.; ZEYNALOV, I.S.

Representation of the solution to a Cauchy problem in the form of an integral residue. Dif. urav. 1 no.9:1264-1266 S '65. (MIRA 18:10)

1. Azerbaydzhanskiy gosudarstvennyy universitet imeni Kirova.

KULIYEV, A.M.; ZEYNALOV, K.A.

Effect of the degree of refining of a viscous distillate of oil component from Peschanyy island crudes on the heat conductivity coefficient. Azerb.khim.zhur. no.6:3-9 '63. (MIRA 17:3)

KULIYEV, A.M.; ZEYNALOV, K.A.

Effect of the degree of refinement on the thermal conductivity coefficient of petroleum fractions. Uch zap. AGU. Ser. fiz.-mat. nauk no.2:75-82 '63.

(MIRA 18:1)

ZEYNALOV, K.A.

Relationship between thermal conductivity and producing depth in the Bibi-Eybat field. Azerb. neft. khoz. 42 no.1:32-34 Ja '63. (MIRA 16:10)

(Apsheron Peninsula--Petroleum--Thermal properties)

YUZBASHEV, R.; ZEYNALOV, N.; ALIYEV, Sh.

Gafur Rashad, follower of the Russian geographical school. Izv. Vses. geog. ob-va 97 no.1:86 Ja-F '65.

(MIRA 18:3)

SUSHON, A. (Baku); ZEYNALOV, M. (Baku)

We are improving work training. Sov.torg. 34 no.5:41-42 My '61. (MIRA 14:5)

(Baku--Restaurants, lunchrooms, etc.--Employees)

AZIZBEKOV, Sh.A.; ZEYNALOV, M.B.

Analysis of facies and thickness of upper Miocene sediments of the Nakhichevan Depression. Dokl. AN Azerb. SSR 15 no.9:825-829 '59.
(MIRA 13:2)
(Nakhichevan A.S.S.R.--Geology, Stratigraphic)

ZEYNALOV, M.B.

Effect of postore shifts on lead-zinc ores in the Gyumushlu deposit. Izv.AN Azerb.SSR.Ser.geol.-geog.nauk i nefti no.3:91-94 '62. (MIRA 15:12)

(Nakhichevan A.S.S.R.--Ore deposits)

ZEYNALOV, M.A., inzh.

Study of the combustion products of natural gas of gas-air heating systems of industrial enterprises. Izv.vys.ucheb.zav.; energ. 8 no.3:76-82 Mr '65. (MIRA 18:4)

1. Belorusskiy politekhnicheskiy institut. Predstavlena kafedroy teplogazosnabzheniya i ventilyatsii.

AZIZBEKOV, Sh.A., GADZHIYEV, T.G., ZEYNALOV, M.B.

Facies and thickness of Carboniferous sediments of the Nakhichevan fold region. Dokl.AN Azerb.SSR 16 no.3:261-265 '60. (MIRA 13:7)

1. Institut geologii AN AzerSSR.
(Azerbaijan--Geology, Stratigraphic)

AZIZBEKOV, Sh.A.; ZEYNALOV, M.B.; GADZHIYEV, T.G.

Analysis of fascies and thicknesses of upper Oligocene and Lower Miocene sediments in the Nakhichevan Depression [in Azerbaijani with summary in Russian]. Dokl. AN Azerb. SSR 15 no.4:317-320 '59. (MIRA 12:6)

1. Institut geologii Akademii nauk Azerbaydzhanskoy SSR.
(Azerbaijan--Geology, Stratigraphic)

ACHIKBEKOV, Sh.A.; ZEYNALOV, F.D.

Correlation of Miocene-Recent rocks in Armenia, Iran, Tarkar, and the Nakhichevan A.S.S.R. Izv.AN Azerb.SSR, Ser.geol.-geog.nauk no.3:3-10 '59. (MIRA 12:11)

(Transkaucasia--Geology, Stratigraphic)
(Near East--Geology, Stratigraphic)

AZIZBEKOV, Sh.A.; ZEYNALOV, M.B.; GADZHIYEV, T.G.

Facies and thickness of Devonian deposits in the Nakhichevan folded region. Dokl.AN Azerb.SSR 15 no.3:225-230 '59. (MIRA 12:5)

1. Institut geologii AN AzerSSR.
(Nakhichevan A.S.S.R.--Geology, Stratigraphic)

NAGIYEV, M.F.; ZEYNALOV, M.F.; DADASHEVA, Z.A.

Study of the liquid phase oxidation of the distillate obtained in a light thermal cracking of fuel oils. Trudy Inst.khim. AN Azerb.-SSR 18:90-106 '60. (MIRA 14:9)
(Petroleum as fuel) (Oxidation)

ZEYNALOV, M.M., kand. geol.-mineral. nauk (Baku); KAGRAMONOV, K.S. (Baku)

Fiery explosion. Priroda 54 no.8:91-93 Ag '65. (MIRA 18:8)

ALI-ZADE, A.A.; AKHMEDOV, G.A.; ZEYNALOV, M.M.

Oil shales of Azerbaijan. Azerb. neft. Khoz. 41 no.1:5-8 Ja '62. (MIRA 16:7)

(Azerbaijan--Oil shales)

ALI-ZADE, A.A.; AKHMEDOV, G.A.; ZEYNALOV, M.M.

Oil shales of Azerbaijan. Part 2. Azerb.neft.khoz. 41 no.2:9-10 F '62. (MIRA 15:8)
(Azerbaijan--Oil shales)

ZEYNALOV, Mirsaab Mirkyazim ogly; AKHMEDOV, G.A., prof., red.; RASHEVSKAYA, T.A., red.izd-va

[Mud volcanoes in southern Kobystan and their association with oil and gas fields] Griazevye vulkany IUzhnogo Kobystana i ikh sviaz' s gazoneftianymi mestorozhdeniiami. Baku, Azerbaidzhanskoe gos.izd-vo neft. i nauchno-tekhn.lit-ry, 1960. 142 p. (MIRA 14:1)

(Kobystan--Mud volcanoes)

ALI-ZADE, A.A.; AKHMEDOV, G.A.; ZEYNALOV, M.M.; NADIROV, S.G.

Prospects for finding oil and gas in Mesozoic sediments of Azerbaijan in the light of new data. Izv.AN Azerb.SSR.Ser. geol.-geog.nauk i nefti no.3:3-22 '62. (MIRA 15:12)
(Azerbaijan—Petroleum geology)
(Azerbaijan—Gas,Natural—Geology)

AKHMEDOV, G.A.; ZEYNALOV, M.M.; SULTANOV, R.G.; TAGIYEV, E.A.

Correlating cross sections of the producing formation in the Apsheron Peninsula and southeastern Kobystan. Uch.zap. AGU. Geol.-geog.ser. no.4:81-88 '60. (MIRA 15:9)
(Apsheron Peninsula—Geology, Stratigraphic)
(Kobystan—Geology, Stratigraphic)

MAMEDOV, T.A.; ZEYNALOV, M.M.

Correlating the sections of foraminiferal sediments in the northeastern foothills of the Lesser Caucasus in connection with their oil and gas potentials. Izv. vys. ucheb. zav.; neft' i gaz 6 no.1:15-20 '63. (MIRA 17:10)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova i Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobycho nefti.

YAKUBOV, A.A.; ZEYNALOV, M.M.

Genesis of mud volcanoes. Izv.vys.ucheb.zav.; neft' i gaz 5 no.12:15-19 '62. (MIRA 17:4)

1. Azerbaydzhanskiy institut nefti i khimii imeni M.Azizbekova i Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche nefti.

ALI-ZADE, A.A.; AKHMEDOV, G.A.; ZEYNALOV, M.M.

Upper Jurassic fractured sandstones of the Lesser Caucasus as possible oil and gas reservoirs. Azerb.neft.khoz. 41 no.8: 1-4 Ag '62. (MIRA 16:1)

(Caucasus—Petroleum geology)

ZEYNALOV, M.M.

Waters in mud volcanoes of southern Kobystan in the light of new data [in Azerbaijani with summary in Russian]. Azerb. neft. khoz. 38 no.3:5-8 Mr '59. (MIRA 12:6)
(Kobystan--Mud volcanoes) (Water, underground)

YAKUBOV, A.A.; ZEYNALOV, M.M.

New data on mud volcanoes in Kobystan. Izv.vys.ucheb.zav.; neft' i gaz 1 no.11:3-7 '58. (MIRA 12:5)

1. Azerbaydzhanskiy industrial'nyy institut im. M.Azizbekova.
(Kobystan--Mud volcanoes)

SALAYEV, S.G.; ZEYNALOV, M.M.

Characteristics of the Koturdag mud volcano [in Azerbaijani with summary in Russian]. Azerb. neft. khoz. 38 no.2:3-5 F '59. (MIRA 12:5)

(Koturdag volcano)

ZEYNALOV, M.H.

Gases of Kobystan mud volcanoes. Izv. vys. uchab. zav.; neft' i gaz no.2:7-11 '58. (MIRA 11:8)

1. Azerbaydzhanskiy industrial'nyy institut im. M. Azizbekova.
(Kobystan--Volcanoes)